Hume pipes. The area surrounding the stretches was inundated, with flow of water causing further damages to the road, making maintenance work impossible. However, now the road has been repaired to make it traffic worthy.

(e) The permanent bridge is likely to be completed simultaneously with 4-laning of NH-31 in this section.

**Four-laning of NH-9 in Andhra Pradesh**

301. SHRINANDIYELLAIAH: Will the Minister of SHIPPING, ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) the status of the proposal of the State Government of Andhra Pradesh for four-laning of 16.3 Km stretch of NH-9 between Sangareddy and Zahirabad and construction of 17 bridges on this stretch;

(b) the reasons for delay in giving clearance to this proposal; and

(c) by when it is likely to be given clearance?

THE MINISTER OF STATE IN THE MINISTRY OF SHIPPING ROAD TRANSPORT AND HIGHWAYS (SHRI K.H. MUNIAPPA): (a) to (c) Sangareddy-Zahirabad section ofNH-9 in Andhra Pradesh is having a length of 53 Kms. The consultancy services for examining the viability of 4/6 laning of this stretch on Design, Build, Finance and Operate (DBFO) pattern in under progress. Further action in the matter will depend upon the outcome of the said study.

**Satellite for studying the Sun**

302. SHRIMATI N. P. DURGA: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that ISRO is planning to launch a satellite called Aditya to sutdy the Sun:

(b) the details of studies that Aditya is going to carry out; and

(c) to what extent the proposed study by Aditya helps ISRO's satellites from the vagaries of solar phenomena?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN):(a)Yes,Sir.

(b) ADITYA will carry an instrument intended to study the outmost region of the sun called corona. It will also study the coronnal mass enjection and the crucial physical parameters of space weather, such as, the coronal magnetic field structures and evolution of the coronal magnetic field.

(c) The mission is intended to enhance the scientific knowledge of the Sun's radiation and the continuous monitoring of the Sun's atmosphere. This data will also help to design the satellites to withstand adverse effects of Solar environment.

**Launching of foreign satellilte by ISRO**

303. SHRIMATI BR1NDA KARAT: Will the PRIME MINISTER be pleased to state:

(a) whether a foreign satellite was launched by Indian Space Research Organisation (ISRO) to garner a share in the multi-billion global satellite launch market;